

No syntax errors found.
Please wait while processing

[CIF dictionary](#)
[Interpreting this report](#)

Datablock: 2

Bond precision: C-C = 0.0034 A Wavelength=0.71073
Cell: a=16.4095(6) b=13.6320(6) c=17.1507(8)
alpha=90 beta=108.145(5) gamma=90
Temperature 293 K
:
Calculated Reported
Volume 3645.7(3) 3645.7(3)
Space group C 2/c C 2/c
Hall group -C 2yc -C 2yc
Moiety formula C24 H36 Cl2 Cu2 N14 O10 ?
Sum formula C24 H36 Cl2 Cu2 N14 O10
Mr 878.67 878.65
Dx,g cm-3 1.601 1.601
Z 4 4
Mu (mm-1) 1.384 1.384
F000 1800.0 1800.0
F000' 1804.35
h,k,lmax 23,19,24 23,18,24
Nref 5583 5002
Tmin,Tmax 0.614,0.758 0.750,1.000
Tmin' 0.569
Correction method= # Reported T Limits: Tmin=0.750
Tmax=1.000 AbsCorr = MULTI-SCAN
Data completeness= 0.896 Theta(max)= 30.520
R(reflections)= 0.0345(3826) wR2(reflections)= 0.0891(5002)
S = 1.059 Npar= 239

The following ALERTS were generated. Each ALERT has the format
[test-name_ALERT_alert-type_alert-level](#).
Click on the hyperlinks for more details of the test.

● Alert level C

| | | |
|-----------------------------------|--|----------|
| PLAT230_ALERT_2_C | Hirshfeld Test Diff for N5 --N6 . | 5.8 s.u. |
| PLAT241_ALERT_2_C | High 'MainMol' Ueq as Compared to Neighbors of | 05 Check |
| PLAT242_ALERT_2_C | Low 'MainMol' Ueq as Compared to Neighbors of | N4 Check |
| PLAT242_ALERT_2_C | Low 'MainMol' Ueq as Compared to Neighbors of | N6 Check |
| PLAT910_ALERT_3_C | Missing # of FCF Reflection(s) Below Theta(Min). | 5 Note |

● Alert level G

| | | |
|-----------------------------------|--|-------------|
| PLAT199_ALERT_1_G | Reported _cell_measurement_temperature (K) | 293 Check |
| PLAT200_ALERT_1_G | Reported _diffrn_ambient_temperature (K) | 293 Check |
| PLAT242_ALERT_2_G | Low 'MainMol' Ueq as Compared to Neighbors of | C11 Check |
| PLAT794_ALERT_5_G | Tentative Bond Valency for Cu1 (II) . | 2.25 Info |
| PLAT883_ALERT_1_G | No Info for _atom_sites_solution_primary | Please Do ! |
| PLAT912_ALERT_4_G | Missing # of FCF Reflections Above STh/L= 0.600 | 554 Note |
| PLAT913_ALERT_3_G | Missing # of Very Strong Reflections in FCF | 1 Note |
| PLAT978_ALERT_2_G | Number C-C Bonds with Positive Residual Density. | 4 Info |

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
5 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
8 **ALERT level G** = General information/check it is not something unexpected

- 3 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
6 ALERT type 2 Indicator that the structure model may be wrong or deficient
2 ALERT type 3 Indicator that the structure quality may be low
1 ALERT type 4 Improvement, methodology, query or suggestion
1 ALERT type 5 Informative message, check
-

It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

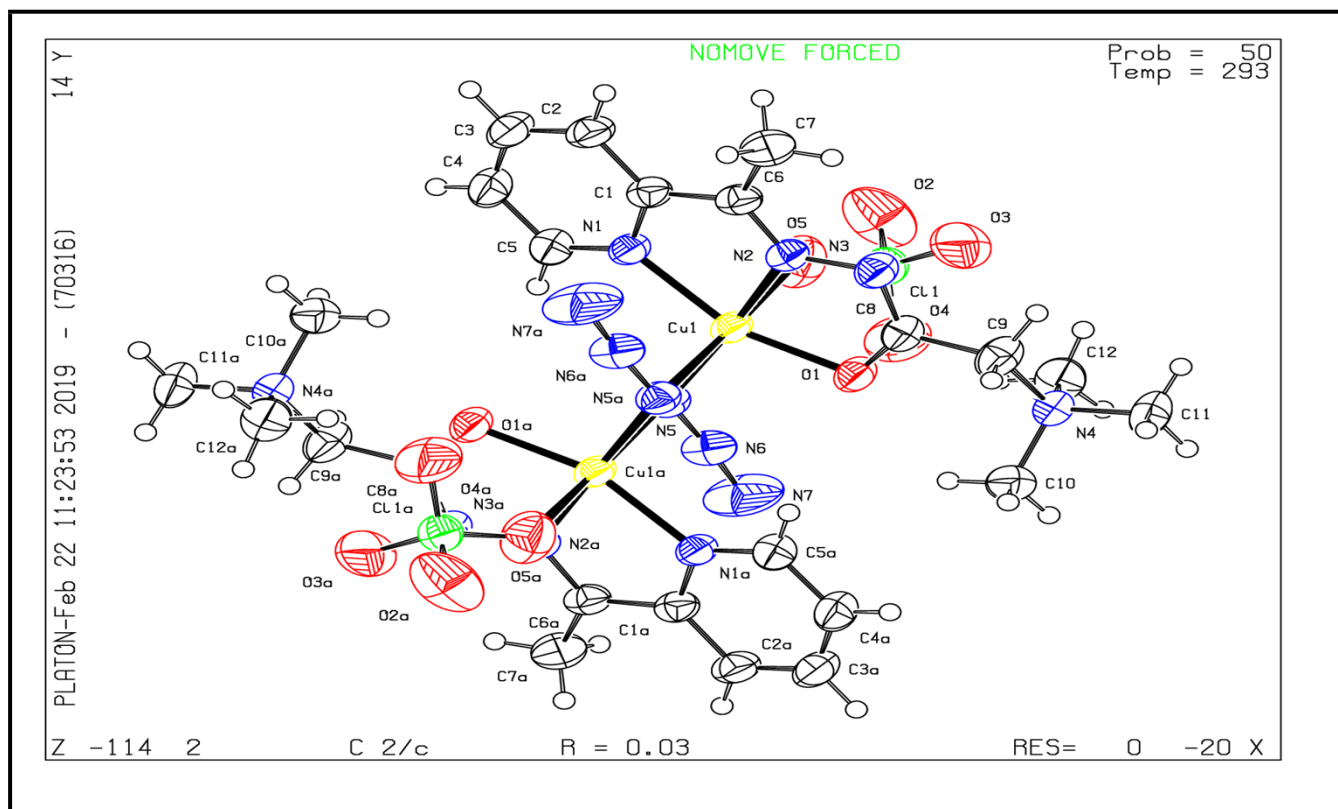
A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E* or *IUCrData*, you should make sure that [full publication checks](#) are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

PLATON version of 18/02/2019; check.def file version of 18/02/2019

Datablock 2 - ellipsoid plot



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